openreach

Resilience Option 2

Resilience Option 2 (RO2) configuration consists of two circuits with diversely routed fibre paths (i.e. primary and secondary paths). The circuits terminate on separate termination equipment within the building. This option allows customers to have different bandwidths and in some specific circumstances, different CPs providing connectivity. If a failure occurs on a primary path, it is your responsibility to manually switch the traffic to the secondary fibre path.

Resilience is designed to minimise risks should optical failure, fibre break/ derogation or 'matters beyond our reasonable control' occur.

Product benefits

Peace of mind for your customers

Enables you to offer a higher degree of network certainty for critical customer applications.

Protection from unforeseen incidents

No single cable, equipment or node failure in the Openreach network will prevent the use of one of the two resilient circuits.

Single supplier

Using a single supplier for both your primary and secondary circuits saves valuable time and frustration.

Right first time

Ensure the right solution first time by using our Planners to scope the degree of diversity achievable, order by order.

Flexible use

Wide availability across different products to meet customer requirements.
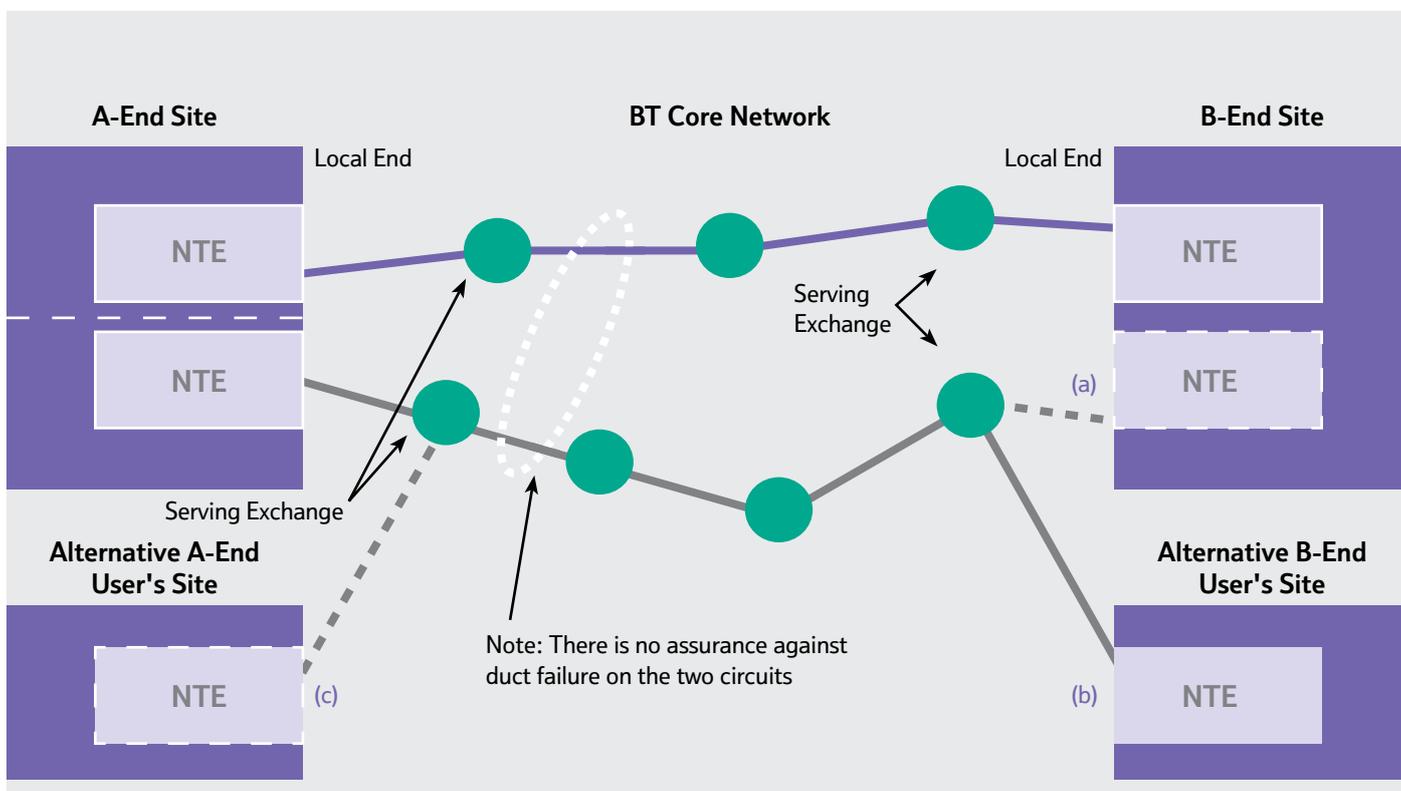
Engineering expertise

We invest in our people to ensure that they have the right tools and skills to deliver and maintain fibre networks for the UK.

Product features

- Two diversely routed circuits between either:

  Common 'A' end & different 'B' end termination points (the most population configuration)

  Different 'A' end & common 'B' end termination points

  Common 'A' end & 'B' end termination points

  Different 'A' end & 'B' end termination points

- Separate NTE at each end of each circuit
- Traffic is switched manually to the standby route
- Available for: BES, WES, WEES and ONBS bandwidths, Broadcast Access, EAD, EBD, OSA and OSEA

- Can be applied to Ethernet circuits of the same product type
- Or on a cross product basis for BES, WES and WEES only
- Primary & secondary paths can be different bandwidths
- Diversity maintained by Openreach's network monitoring
- Diverse routes for parallel circuits avoid common ducts and cables wherever possible
- Circuit diversity will keep the fibre paths for each route in separate cables but not necessarily in separate ducts. **There is no assurance against duct failure at any point on the two routes**
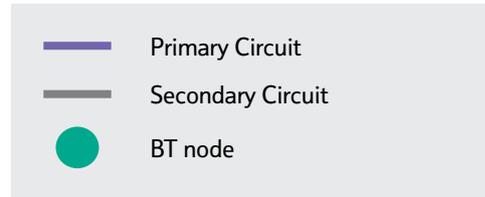
Additional details are documented in the Ethernet Resilience Product Description.

How it works

Configuration (a) or (b) optional

Configuration (b) most common

Configuration (c) when between different A&B ends

The Diagram above shows a typical Resilience Option 2 (RO1) configuration.

Primary Circuit

Secondary Circuit

BT node

For more information on Resilience Option 2 visit **www.openreach.co.uk** or contact your Openreach sales and relationship manager.